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SUPPLEMENTARY ONLINE MATERIAL FOR

**Taxonomic implications of morphometric analysis
of earless seal limb bones**

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Supplementary Online Material

SOM 1: List of specimens examined for this study

SOM 2: Measurement data is available

at http://app.pan.pl/SOM/app64-Churchill_Uhen_SOM/SOM_2.xlsx

SOM 1: List of specimens examined for this study

Museum Abbreviations: AMNH: American Museum of Natural History, New York; LPB: Laboratory of Paleontology, University of Bucharest, Bucharest, Romania; MNHN: Museum national d'Histoire naturelle, Paris France ; USNM: National Museum of Natural History, Washington D.C.

Extant taxa

Monachus monachus: USNM 219059

Neomonachus tropicalis: AMNH 19600, 77741, 10421

Neomonachus schauinslandi: USNM 395999, 334577, 243839

Mirounga angustirostris: AMNH 32676; USNM 21890, 12441, 255975, 260867

Hydrurga leptonyx: AMNH 36200; USNM 571676, USNM 396391, 36200

Leptonychotes weddellii: AMNH 34250; USNM 504875, 550118, 504871

Lobodon carcinophaga: USNM 504740, 310693, 269772

Ommatophoca rossii: USNM 275206, 302975

Erignathus barbatus: AMNH 28, 19347; USNM 16116, 269126, 500250

Cystophora cristata: AMNH 18469, 184660; USNM 55041, 188962, 550317

Histriophoca fasciata: AMNH 130246, 130245; USNM 504959, 504960, 571367

Pagophilus groenlandica: AMNH 180016; USNM 3517, 21535, 188766

Phoca vitulina vitulina: AMNH 15900, 232416, 232402; USNM 15276, 49911, 21056, 504298, 504299.

Phoca vitulina richardsi: USNM 250712, 283568.

Halichoerus grypus: USNM 218323, 446405, 446406

Pusa hispida: USNM 16106, 7102, 504208

Pusa siberica: AMNH 185595

Pusa caspica USNM 341615

Fossil taxa

Piscophoca pacifica: USNM 360406 (cast of MNHN SAS564)

Piscophoca sp. USNM 443879

Acrophoca longirostris: USNM 360407 (cast of MNHN SAS563)

Callophoca obscura: USNM 263656, 412298, 412266, 421543, 437849, 244061, 437683

Auroraphoca atlantica: USNM 481812

Leptophoca proxima: USNM 5359, 559330

Leptophoca amphiatlantica: USNM 321926

Phocanella pumila: USNM 329059, 171151, 305283, 329060, 175217, 181649, 481569

Pontophoca sarmatica: USNM 214980 (cast of LPB 259 III)

Monachopsis pontica: USNM 214975 (cast of LPB 21)

Cryptophoca maeotica: USNM 214979 (cast of LPB 259 II)

Praepusa pannonica?: USNM 214978 (cast of LPB 5)

Praepusa vindobonensis: USNM 214933 (cast of LPB 158)